IPL PRO Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IPL PRO enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IPL PRO enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Audio Processor
Manufacturer: Revolabs
Firmware Version: N/A
Model(s):   Executive Elite 4-Channel, Executive Elite 8-Channel

Tested on the Following Software and Firmware Versions:

IP Link Pro Control Processor Firmware	MediaLink Plus Controller Firmware	GC (Plus, Pro) Version
1.03.0000-b002	1.00.0000-b003	1.2.1.5

Version History:

Driver Version	Date	Notes
1_0_0	3/10/2015	Initial version.

Driver Notes:
- User Defined Command sends User Defined String out of the port.

Driver Timings:
- Recommended repeat rate for this driver is 0.1 seconds

**IPL PRO Device Interface
Communication Sheet**

Control Commands & States:

Audio Quality	HD	SD	
Chairman Mute [1]	All Mute Off	Members Mute On	All Mute On
Front Panel Lock	On	Off	
Mic Group Mute [2]	Mute On	Mute Off	
Mic Input Gain [1]	-20 to 0 in steps of 1 dB		
Mic Mute [1]	Mute On	Mute Off	
Mic Standby [1]	On	Off	
User Defined Command	None		
User Defined String	String		

[1] Requires "Channel" parameter to be set.
[2] Requires "Group" parameter to be set.

Status Available:

Audio Quality	HD	SD	
Chairman Mute [1]	All Mute Off	Members Mute On	All Mute On
Connection Status [RP]	Connected	Disconnected	
Mic Group Mute [2]	Mute On	Mute Off	
Mic Input Gain [1]	-20 to 0 in steps of 1 dB		
Mic Mute [1]	Mute On	Mute Off	Self Muted
	Microphone Off	Microphone Out Of Range	Microphone Charging
Mic Standby [1]	On	Off	
Mic Status [1]	On	Off	Standby
	Charging	Out Of Range	Not Paired
	Pairing	Unpairing	Updating
User Defined String	String		

[1] Requires "Channel" parameter to be set.
[2] Requires "Group" parameter to be set.
[RP] Connection Status is based on the following string: get audioquality\r

Cable and Adapter Requirements:

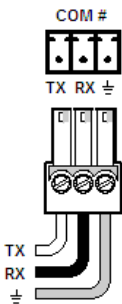Captive Screw to Male DB9 RS-232 Serial Cable

Notes for the Device:

On the local web UI of the device, the External Control Configuration page's Connection Mode setting must be set to Serial RS-232 to enable serial control. Consult the device's user guide for more information.
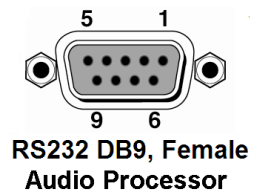
Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:

Signal	Main Cable	Pin	Signal
TxD	⟶	2	RxD
RxD	⟵	3	TxD
GND	⟶	5	GND

RS232 DB9, Female
Audio Processor

General Notes:

Network communication:

When configuring the Ethernet driver, be sure device settings match that of the GC configuration.

Port Type:	Ethernet
Default Port:	23
Multi-Connection Capabilities:	No
Port Changeability:	No
Logon Credentials Supported:	Yes

Ethernet Driver Configuration Description:

Please refer to user manual for settings and changes to the network communication.

Notes for the Device:

On the local web UI of the device, the External Control Configuration page's Connection Mode setting must be set to Telnet to enable Ethernet control. Consult the device's user guide for more information.